

ENTERED

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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/028,396A

DATE: 06/14/2002 0. 1

TIME: 15:40:53

Input Set : A:\Substitute Sequence Listing.txt

Output Set: N:\CRF3\06142002\J028396A.raw

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3 <110> APPLICANT: VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOL
      5 <120> TITLE OF INVENTION: Nucleic Acid Binding of Multi-Zinc Finger Transcription
Factors
     7 <130> FILE REFERENCE: 2676-5174US
      9 <140> CURRENT APPLICATION NUMBER: US/10/028,396A
    10 <141> CURRENT FILING DATE: 2001-12-21
     12 <150> PRIOR APPLICATION NUMBER: 99202068.5
     13 <151> PRIOR FILING DATE: 1999-06-25
     15 <150> PRIOR APPLICATION NUMBER: PCT/EP00/05582
     16 <151> PRIOR FILING DATE: 2000-06-09
     18 <160> NUMBER OF SEQ ID NOS: 49
     20 <170> SOFTWARE: PatentIn version 3.1
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 5
    24 <212> TYPE: DNA
C--> 25 <213> ORGANISM: Artificial
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27 <220> FEATURE:

28 <221> NAME/KEY: misc feature

29 <223> OTHER INFORMATION: Description of Artificial Sequence: Portion of bait for screening

31 <400> SEQUENCE: 1

32 cacct

34 <210> SEQ ID NO: 2

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36 <212> TYPE: DNA

C--> 37 <213> ORGANISM: Artificial

39 <220> FEATURE:

40 <221> NAME/KEY: misc_feature

41 <223> OTHER INFORMATION: Description of Artificial Sequence: portion of bait for screening

44 <400> SEQUENCE: 2

45 cacctq

46 <210> SEQ ID NO: 3

47 <211> LENGTH: 5

48 <212> TYPE: DNA

C--> 49 <213> ORGANISM: Artificial

51 <220> FEATURE:

52 <221> NAME/KEY: misc_feature

53 <223> OTHER INFORMATION: Description of Artificial Sequence: portion of bait for

screening

55 <400> SEQUENCE: 3

56 aggtg

58 <210> SEQ ID NO: 4

59 <211> LENGTH: 7

60 <212> TYPE: DNA

C--> 61 <213> ORGANISM: Artificial

63 <220> FEATURE:

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Input-Set : A:\Substitute-Sequence-Listing.txt

Output Set: N:\CRF3\06142002\J028396A.raw 64 <221> NAME/KEY: misc_feature 65 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus element for binding of MyT1, NZF-1 and NZF-3 66 68 <400> SEQUENCE: 4 69 aaagttt 71 <210> SEQ ID NO: 5 72 <211> LENGTH: 52 73 <212> TYPE: DNA C--> 74 <213> ORGANISM: Artificial 76 <220> FEATURE: 77 <221> NAME/KEY: misc feature 78 <223> OTHER INFORMATION: Description of Artificial Sequence: complex consensus sequence 80 <220> FEATURE: 81 <221> NAME/KEY: misc_feature 82 <222> LOCATION: (16)..(43) 83 <223> OTHER INFORMATION: nucleotides 16-43 represent a spacer sequence wherein any one, more, 84 or all of nucleotides 16-43 my be present or absent 86 <400> SEQUENCE: 5 W--> 87 gacaagataa gataannnnn nnnnnnnnn nnnnnnnnn nnnctcatct tc 52 91 <210> SEQ ID NO: 6 92 <211> LENGTH: 30 93 <212> TYPE: DNA C--> 94 <213> ORGANISM: Artificial 96 <220> FEATURE: 97 <221> NAME/KEY: misc_feature 98 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 NZF3Mut 100 <400> SEQUENCE: 6 30 101 ccacctgaaa gaatccctga gaattcacag 103 <210> SEQ ID NO: 7 104 <211> LENGTH: 30 105 <212> TYPE: DNA C--> 106 <213> ORGANISM: Artificial 108 <220> FEATURE: 109 <221> NAME/KEY: misc_feature 110 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 CZF2Mut 112 <400> SEQUENCE: 7 30 113 gggtcctaca gttcatctat cagcagcaag 115 <210> SEQ ID NO: 8 116 <211> LENGTH: 30 117 <212> TYPE: DNA C--> 118 <213> ORGANISM: Artificial 120 <220> FEATURE: 121 <221> NAME/KEY: misc_feature 122 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 NZF4Mut 124 <400> SEQUENCE: 8 125 caccacctta tcgagtcctc gaggctgcac 30 127 <210> SEQ ID NO: 9 128 <211> LENGTH: 30

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DATE: 06/14/2002

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Input_Set_:_A:\Substitute_Sequence_Listing.txt-

Output Set: N:\CRF3\06142002\J028396A.raw C--> 130 <213> ORGANISM: Artificial 132 <220> FEATURE: 133 <221> NAME/KEY: misc_feature 134 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SIP1 CZF3Mut 136 <400> SEQUENCE: 9 137 tectaetege agtecatgaa teacaggtae 139 <210> SEQ ID NO: 10 140 <211> LENGTH: 50 141 <212> TYPE: DNA C--> 142 <213> ORGANISM: Artificial 144 <220> FEATURE: 145 <221> NAME/KEY: misc_feature 146 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-WT 148 <400> SEQUENCE: 10 149 atccaggeca cetaaaatat agaatgataa agtgaccagg tgtcagttet 50 151 <210> SEQ ID NO: 11 152 <211> LENGTH: 50 153 <212> TYPE: DNA C--> 154 <213> ORGANISM: Artificial 156 <220> FEATURE: 157 <221> NAME/KEY: misc_feature 158 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-D 160 <400> SEQUENCE: 11 161 atccaggcca cctaaaatat agaatgataa agtgaccaga tgtcagttct 50 163 <210> SEQ ID NO: 12 164 <211> LENGTH: 23 165 <212> TYPE: DNA C--> 166 <213> ORGANISM: Artificial 168 <220> FEATURE: 169 <221> NAME/KEY: misc_feature 170 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-E 172 <400> SEQUENCE: 12 173 taaagtgacc aggtgtcagt tct 23 175 <210> SEO ID NO: 13 176 <211> LENGTH: 27 177 <212> TYPE: DNA C--> 178 <213> ORGANISM: Artificial

- 181 <220> FEATURE:
- 182 <221> NAME/KEY: misc_feature
- 183 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-F
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- 186 atccaggcca cctaaaatat agaatga
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- 189 <211> LENGTH: 50 190 <212> TYPE: DNA
- C--> 191 <213> ORGANISM: Artificial
 - 193 <220> FEATURE:
 - 194 <221> NAME/KEY: misc_feature
 - 195 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Rdm + Xbra-E

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-Input-Set-:-A:\Substitute-Sequence-Listing.txt-

TIME: 15:40:54

DATE: 06/14/2002

		Output Set: N:\CRF3\06142002\J028396A.raw
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	211	atccaggcca cctaaaatat agaatgaggc tcagacaggt gtagaattcg gcg 53
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•		<220> FEATURE:
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	263	<211> LENGTH: 50

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Input_Set-:-A:\Substitute-Sequence-Listing.txtOutput Set: N:\CRF3\06142002\J028396A.raw

- 264 <212> TYPE: DNA C--> 265 <213> ORGANISM: Artificial 267 <220> FEATURE: 268 <221> NAME/KEY: misc_feature 269 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-M 271 <400> SEQUENCE: 20 50 272 atccapqccc aataaaatat agaatgataa agtgaccagg tgtcagttct 274 <210> SEQ ID NO: 21 275 <211> LENGTH: 50 276 <212> TYPE: DNA C--> 277 <213> ORGANISM: Artificial 279 <220> FEATURE: 280 <221> NAME/KEY: misc_feature 281 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-N 283 <400> SEQUENCE: 21 284 atccaggcca ccgccaatat agaatgataa agtgaccagg tgtcagttct 50 286 <210> SEQ ID NO: 22 287 <211> LENGTH: 50 288 <212> TYPE: DNA C--> 289 <213> ORGANISM: Artificial 291 <220> FEATURE: 292 <221> NAME/KEY: misc_feature 293 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-O 295 <400> SEQUENCE: 22 50 296 atccaggcca cctaaccgat agaatgataa agtgaccagg tgtcagttct 298 <210> SEQ ID NO: 23 299 <211> LENGTH: 50 300 <212> TYPE: DNA C--> 301 <213> ORGANISM: Artificial 303 <220> FEATURE: 304 <221> NAME/KEY: misc_feature 305 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-P 307 <400> SEQUENCE: 23 50 308 atccaggcca cctaaaatcg cgaatgataa agtgaccagg tgtcagttct 310 <210> SEQ ID NO: 24 311 <211> LENGTH: 50 312 <212> TYPE: DNA C--> 313 <213> ORGANISM: Artificial 316 <220> FEATURE: 317 <221> NAME/KEY: misc_feature 318 <223> OTHER INFORMATION: Description of Artificial Sequence: probe Xbra-Q 320 <400> SEQUENCE: 24 50 321 atccaggcca cctaaaatat atcctgataa agtgaccagg tgtcagttct
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 - 325 <212> TYPE: DNA
- C--> 326 <213> ORGANISM: Artificial_
 - -328 <220> FEATURE:
 - 329 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/028,396A

DATE: 06/14/2002 TIME: 15:40:55

Input Set : A:\Substitute_Sequence_Listing.txt
Output Set: N:\CRF3\06142002\J028396A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the $\langle 220 \rangle$ to $\langle 223 \rangle$ fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35

Seq#:5; N Pos. 36,37,38,39,40,41,42,43

Seq#:48; N Pos. 25 Seq#:49; N Pos. 26

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27 Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/028,396A TIME: 15:40:55

DATE: 06/14/2002

Input-Set :- A:\Substitute-Sequence-Listing.txt
Output Set: N:\CRF3\06142002\J028396A.raw

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L:37 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:49 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:61 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:74 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:94 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:106 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:118\ M:220\ C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:130 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:142 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:154 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:166 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:178 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:191 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:204 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:216 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:229 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:241 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:253 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:265 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:277 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:289 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
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L:313 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:338 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:350 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:364 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:376 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:388 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:400 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
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L:424 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
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L:497 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
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L:525 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:539 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:552 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:565 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:578 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:589 M:220 C: Keyword_misspelled_or_invalid_format,_<213> ORGANISM_for_SEQ_ID#:46
L:601 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/028,396A

DATE: 06/14/2002 TIME: 15:40:55

Input—Set—:-A:\Substitute—Sequence—Listing.txt
Output Set: N:\CRF3\06142002\J028396A.raw

L:613 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48

L:626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

L:634 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49

L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0